CLAIMS

1. Information display apparatus comprising:

voice call means for making voice calls via lines;

5 calling number acquisition means for acquiring the telephone number of a calling party at call incoming;

data retrieval means for retrieving sender data acquired via said calling number acquisition means from a sender database that can store a plurality of data sets, each data set comprising

10 a sender name and address, mail address and a network resource (URL) associated with a sender number as well as terminal resources such as text data and graphic data stored in the memory on a terminal;

data communication means equipped with an interface for

15 making data communications via lines;

network resource acquisition means equipped with a series of network protocols for acquiring network resources by using said data communication means;

terminal resource acquisition means for acquiring

20 resources on terminals;

application selection means for acquiring a network or a terminal resource corresponding to a predetermined or used-defined calling number from sender data retrieved via said data retrieval means and for selecting the application

25 corresponding to the acquired resource; and

19

display means for displaying on the screen the resource and the application selected via said application selection means.

5   2.   Information display apparatus according to claim 1, further comprising a display priority table to make the user be able to set which resource is to be displayed first from a set of data described in the sender data retrieved via said data retrieval means.

10

3.   Information display apparatus according to claim 1 or 2, wherein said display means further comprises additional information selection means and that said display means acquires additional information via said terminal resource acquisition

15   means in accordance with additional information described in said sender data in order to display data together with the additional information.

4.   Information display apparatus according to any one

20   of the preceding claims, wherein, in case a resource to be displayed is mail data, said application selection means retrieves mail data for the mail address described in the sender data retrieved by said data retrieval means from a plurality of mail data sets stored in the memory on a terminal that have

25   been received via said terminal resource acquisition means, and

20

in case corresponding mails are present, selects the mail application to automatically display the mails.

5. Information display according to any one of the preceding claims, wherein, in case a resource to be displayed is mail data, said application selection means automatically connects to a prespecified mail server via said network resource acquisition means and retrieves mail data corresponding to the mail address described in the sender data retrieved by said data retrieval means from mail data on the server, and in case corresponding mails are present, acquires mail data from the server and selects the mail application to automatically display the mails.

6. Information display apparatus according to any one of the preceding claims, wherein, in case a resource to be displayed is mail data, said application selection means retrieves mail data on the mail server via said network resource acquisition means, and retrieves mail data stored in the memory on a terminal via said terminal resource acquisition means to retrieve and acquire the latest mail data from both the network and the terminal, then selects the mail application to display the latest mail data.

7. Information display apparatus according to any one

21

of the preceding claims, wherein, in case a resource to be displayed is a resource on the network (URL), said application selection means automatically acquires the corresponding URL data via said network resource acquisition means and selects

5   a web browser application to display the URL data.

8.   Information display apparatus according to any one of the preceding claims, wherein, in case a resource to be displayed is a resource on the terminal such as text data and

10 graphic data, said information display apparatus acquires the corresponding file or data via said terminal resource acquisition means and selects a web browser application to display the resource.

15   9.   Information display apparatus according to any one of the preceding claims, wherein said display means displays data together with sound, music data or voice data preset by the data or application to be displayed.

20   10.   Information display apparatus according to any one of the preceding claims, wherein said display means displays data together with a background color or background data preset by the data or application to be displayed.

25   11.   Information display apparatus according to any one

22

of the preceding claims, wherein said sender database is stored

in a server on the network and accessed via said network resource

acquisition means at call incoming for retrieval and acquisition

of the sender data corresponding to said sender number.

5

12. Information display apparatus according to any one

of the preceding claims, wherein sender database is stored in

the memory on a terminal and a server on the network and that

said data retrieval means searches the sender database stored

10 in said memory at call incoming and, in case the corresponding

sender data is not present, accesses the sender database via

said network resource acquisition means to search the sender

database on the server for target data.

15 13. A portable information terminal, wherein said

portable information terminal uses radio link networks and

comprises information display apparatus according to any one

of the preceding claims.

20 14. A telephone set using public networks and comprising

information display apparatus according to any one of claims

1 through 12.

15. Information display method comprising the steps of:

25 acquiring the telephone number of a calling party at call

23

incoming;

retrieving sender data acquired via said calling number acquisition step from a sender database that can store a plurality of data sets, each data set comprising a sender name and address,

5   mail address and a network resource (URL) associated with a sender number as well as terminal resources such as text data and graphic data stored in the memory on a terminal;

acquiring network resources and resources on terminals;

acquiring a network or a terminal resource corresponding

10   to a predetermined or used-defined calling number from sender data retrieved via said data retrieval means;

selecting the application corresponding to the acquired resource; and

displaying on the screen the resource and the application

15   selected via said application selection means.